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广西马蓝属二新种*

方 鼎 韦毅刚
(广西中医药研究所 南宁 530022) (广西壮族自治区·中国科学院广西植物研究所 桂林 541006)

Two new species of *Strobilanthes* Bl. (Acanthaceae) from Guangxi, China

FANG Ding
(*Guangxi Institute of Traditional Medical & Pharmaceutical Sciences*, Nanning 530022)
WEI Yi-Gang
(*Guangxi Institute of Botany, Guangxi Zhuangzu Autonomous Region and the Chinese Academy of Sciences*, Guilin 541006)

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关键词 爵床科; 马蓝属; 折苞马蓝; 凹苞马蓝; 新种; 中国

1 折苞马蓝 新种 图1:1~5

Strobilanthes refracta D. Fang, Y. G. Wei et J. Murata**, sp. nov. Fig.1:1~5

Affinis *S. polyneurae* Clarke ex W. W. Smith, sed foliis saepe ovatis minoribus, margine subintegris vel inconspicue crenulatis, nervis lateralibus multo paucioribus, bracteis superne refractis, cum bracteolis et segmentis calycis omnino brevioribus apice haud subulatis, filamentis brevioribus glabris differt.

Suffrutex 1~2 m altus, in sicco nigellus; caulis superne cum ramulis fusculo-adpresso-puberulus, ad nodos densius, sulcis quaternis. Folia in paribus plus minusve inaequalia, terminalia majora; lamina chartacea vel crasse chartacea, ovata raro obovato-elliptica, (2~)4.5~20.5 cm longa, (1~)2.5~9.2 cm lata, apice abrupte breviter acuminata, acuminata vel obtusiuscula, basi obtusa late cuneatave et subdecurrens, subintegra vel inconspicue crenulata, supra glabra, subtus ad costam nervosque fere glabra, utrinque cystolithis lineolatis densis ornata, nervis lateralibus utrinsecus (3~)4~12, subtus cum costa prominulis; petiolus 0.5~2.5 cm longus, eodem indumento ramuli obtectus. Spica ex axillis foliorum plurium orta, 1.5~3 cm longa, 0.7~1.2 cm crassa, continua, floribus ca. 4~8-jugatis, fere sessilis; bracteae oppositae, cum bracteolis calycibusque crasse chartaceae, spathulato-ovatae, ca. 11 mm longae, 6 mm latae, obtusiusculae, extus plus minusve fusculo-adpresso-hirtellae, supra medium refractae, 1-florae; bracteolae angustissime oblongae, 13 mm longae, 2 mm latae, extus margineque fusculo-hirtellae, apice saepe reflexae; calyx subbilabiatus, segmentis 5, linearibus, 1 mm latis, iisdem pilis bracteolae obtectis, 2 anticis 10 mm longis basi breviter connatis, 3 posticis 13 mm longis basi brevissime junctis; corolla

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** Makino Herbarium, Tokyo Metropolitan University

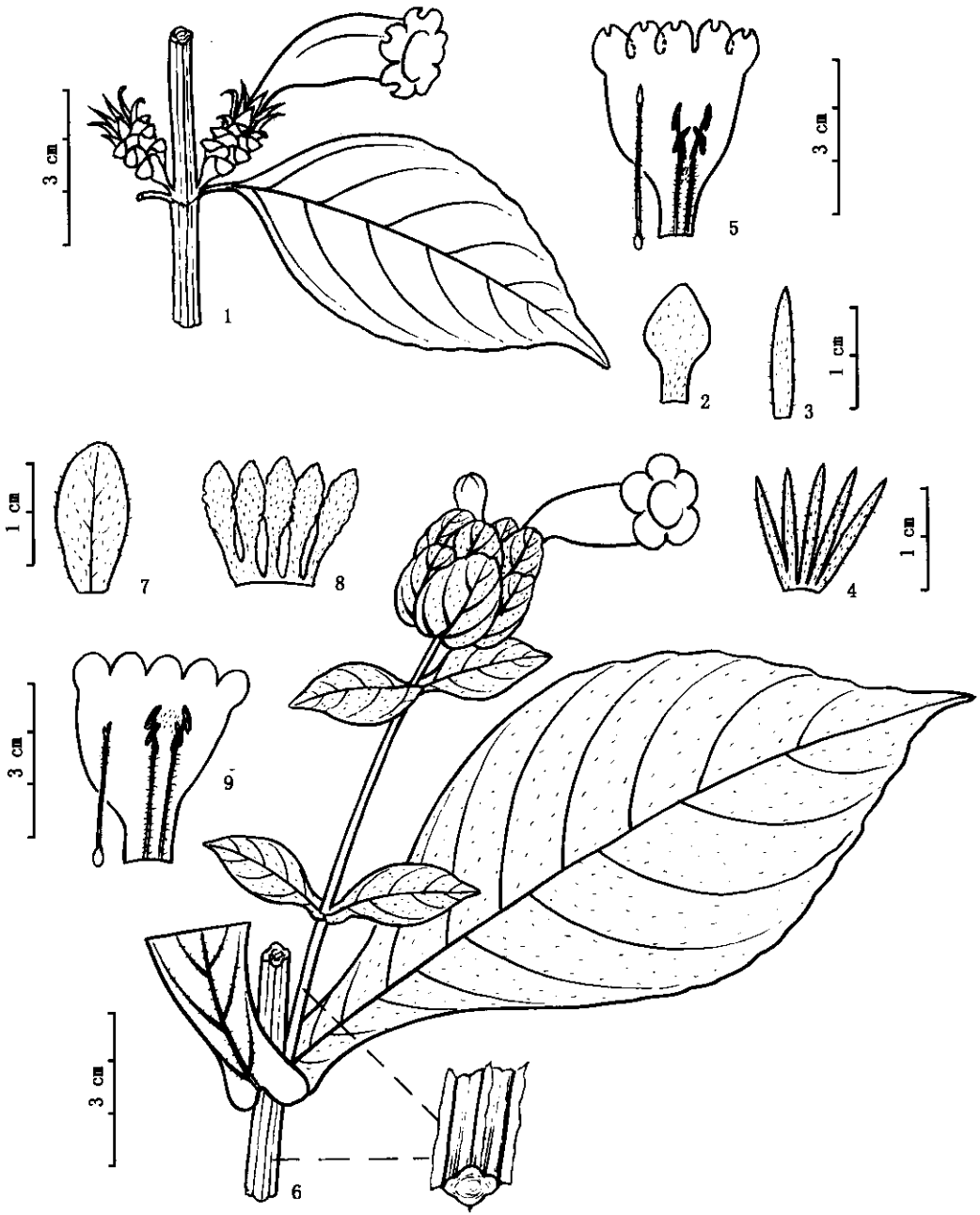

图1 1~5. 折苞马蓝 1. 花枝; 2. 苞片; 3. 小苞片; 4. 花萼展开; 5. 花冠展开和雌蕊。6~9. 凹苞马蓝 6. 花枝; 7. 小苞片; 8. 花萼展开; 9. 花冠展开和雌蕊。(廖信佩 绘)

Fig.1 1~5. *Strobilanthes refracta* D. Fang, Y. G. Wei et J. Murata 1. Flowering branch; 2. Bract; 3. Bracteole; 4. Calyx opened; 5. Corolla opened and pistil. 6~9. *Strobilanthes retusa* D. Fang 6. Flowering branch; 7. Bracteole; 8. Calyx opened; 9. Corolla opened and pistil.

purpurea, ca. 4 cm longa, subcurvata, extus glabra, tubo 1 cm longo cylindrico, fauce campanulata 2.5 cm longa, lobis 5, ca. 5 cm longis, apice alte emarginatis; stamina 4, didynama, inclusa, filamentis longioribus 7 mm longis pilosis, brevioribus 3 mm longis glabris, antheris 3 et 3.5 mm longis; ovarium superne sparse hirtellum; ovula in quoque loculo duo; stylus 2.7 cm longus pilosulus; stigma obconicum. Capsula non visa.

China. Guangxi(广西): Napo(那坡), Bohe(百合), in wooded valley, rare, 350 m, 1997-10-21, Exped. Sino-Japan(中日考察队)1660(holotype, IBK; isotypes, KUN, MAK).

亚灌木,高1~2 m,干时稍黑色;茎上部连同小枝被浅棕色伏微毛,节上较密,具四沟。叶不相等,顶端的较大;叶片纸质至厚纸质,卵形,稀倒卵状椭圆形,长(2~)4.5~20.5 cm,宽(1~)2.5~9.2 cm,先端骤短尖、渐尖或稍钝,基部钝或宽楔形而稍下延,近全缘或有不明显的小钝齿,上面无毛,下面在中脉和侧脉上几乎无毛,两面密布针晶体,侧脉每边(3~)4~12条,下面和中脉稍隆起;叶柄长0.5~2.5 cm,毛被同小枝。穗状花序单生于多数叶腋,长1.5~3 cm,粗0.7~1.2 cm,连续,有花4~8对,几乎无花序梗;苞片对生,连同小苞片和花萼厚纸质,匙状卵形,约长11 mm,宽6 mm,稍钝,外面多少被浅棕色贴伏的小硬毛,上部骤外折,具1花;小苞片为极狭的长圆形,长13 mm,宽2 mm,外面和边缘被浅棕色小硬毛,先端常外反;花萼稍二唇形,裂片5,线形,宽1 mm,毛被同小苞片,前方2裂片长10 mm,基部短合生,后方3裂片长13 mm,基部极短的连接;花冠紫色,长约4 cm,微弯,外面无毛,裂片5,先端深微缺;雄蕊二强,短花丝无毛;子房上部被小硬毛,柱头倒圆锥形。蒴果未见。

本种与多脉马蓝 *S. polyneura* Clarke ex W. W. Smith 接近,但叶常为卵形,较小,近全缘或有不明显的小钝齿,侧脉远较少;苞片上部骤外折,连同小苞片和萼裂片均较短,先端绝非钻状;短花丝无毛。

2　凹苞马蓝　新种　图1:6~9

strobilanthes retusa D. Fang, sp. nov. Fig.1:6~9

Similis *S. barbatae* Nees, a qua planta herbacea, foliis non coriaceis utrinque parce pilosulis, bracteis ovatis apice retusis basi cordatis haud ciliatis deciduis, bracteolis ellipticis, calyce prope basin 5-partito, segmentis oblanceolatis, corolla 4 cm longa magna ex parte glabra, seminibus dense adpresso-piliferis distincta.

Herba ca. 80 cm alta, praeter spicas nigricans in sicco; caulis juxta basin ramosus (e collectore); rami ramuli pedunculi glabri, acuto-quadrangulati, internodiis tenuiter alatis, alis 0.5~2 mm latis. Folia inaequalia raro aequalia, sessilia; lamina tenuiter chartacea vel herbacea, elliptica, interdum rhombeo-elliptica, obovata ovataque, 6.5~20.5 cm longa, 4~8.5 cm lata, crenata, apice subito breviter acuminata vel acuminata, inferne contracta rarissime late cuneata et decurrens in alas, basi auriculata et amplexicaulis, supra parce pilosula, cystolithis lineolatis densis ornata, subtus secus costam nervosque parce pilosula, nervis lateralibus utrinsecus 5~9, utrinque cum costa prominulis. Spica axillaris et terminalis, 2.5~3.5 cm longa, 2~2.5 cm crassa, continua, post anthesin elongata, floribus 4~7-jugatis; pedunculus 1~4 cm longus; bracteae oppositae, ovatae, 22 mm longae, 15 mm latae, apice retusae, basi cordatae, margine undulatae et subcrispae, extus parce pilosulae, 1-florae, deciduae sub fructu, cum bracteolis segmentisque calycis herbaceae;

bracteolae ellipticae, 14 ~ 16 mm longae, 7 mm latae, apice obtusae vel retusae, extus margineque parce pilosulae, crispae, deciduae; calyx ca. 12.5 mm sub fructu 18 mm longus, subbilabiatus, segmentis 5, oblanceolatis 2.5 mm latis, iisdem indumento bracteolarum obtectis, margine crispis, 2 anticis 9.5 mm longis basi breviter connatis, 3 posticis 12 mm longis basi brevissime connatis; corolla ca. 4 cm longa, alba ad lobum medium posticum 2-purpureo-striata (e nota in vivo), subcurvata, extus glabra, tubo 1 cm longo cylindrico, fauce campanulata ca. 2.5 cm longa, lobis 5, ca. 5 mm longis, apice rotundis; stamina 4, didynama, inclusa, filamentis longioribus 5 mm longis parce pilosulis, brevioribus 2.5 mm longis inferne pilosis, antheris 3 et 4 mm longis; ovarium glabrum; stylus 2.2 cm longus, inferne ad 2/3 glaber superne ad 1/3 puberulus; stigma inaequaliter 2-lobatum. Capsula 18 mm longa, inferne solida; semina 4, pilis adpressis densis vestita.

China. Guangxi(广西): Huanjiang(环江), Mulun(木论), Hongdong(红垌), by stream, alt. 560 m, 1998-07-22, F. N. Wei(韦发南)2447(holotype, IBK; isotype, GXMI).

草本。高约 80 cm,干时除穗状花序外变黑色;茎自近基部分枝(据采集人);枝、小枝和花序梗无毛,锐四角形,节间有薄翅,翅宽 0.5 ~ 2 mm。叶不等大稀等大,无柄;叶片薄纸质或草质,椭圆形,有时菱状椭圆形、倒卵形或卵形,长 6.5 ~ 20.5 cm,宽 4 ~ 8.5 cm,边缘具钝齿,先端骤短尖或渐尖,下部收狭,罕为宽楔形而下延成翅,基部耳形并抱茎,上面散生小疏柔毛,密布针晶体,下面沿中脉和侧脉散生小疏柔毛,侧脉每边 5 ~ 9 条,连同中脉两面稍隆起。穗状花序腋生和顶生,长 2.5 ~ 3.5 cm,粗 2 ~ 2.5 cm,连续,花期后伸长,有花 4 ~ 7 对;花序梗长 1 ~ 4 cm;苞片对生,卵形,长 22 mm,宽 15 mm,先端微凹,基部心形,边缘波状而稍皱曲,外面散生小疏柔毛,具 1 花,果期脱落,连同小苞片和萼裂片绿色,草质;小苞片椭圆形,长 14 ~ 16 mm ,宽 7 mm,先端钝或微凹,外面和边缘散生小疏柔毛,边皱曲,脱落;花萼长约 12.5 mm,果期 18 mm,稍二唇形,裂片 5,倒披针形,宽 2.5 mm,毛被同小苞片,边皱曲,前方 2 裂片长 9.5 mm,基部短合生,后方 3 裂片长 12 mm ,基部有极短的连接;花冠长约 4 cm,白色,后方中裂片具 2 条紫色条纹(据野外记载),微弯,外面无毛,裂片 5,先端近圆形;雄蕊二强,短花丝下部被疏柔毛;子房无毛,花柱上部被微毛,柱头不等大 2 浅裂。种子密被伏毛。

本种与印度的 *S. barbata* Nees [*Nilgirianthus barbatus* (Nees) Brem.] 相似,但植株为草本;叶非革质,两面散生小疏柔毛;苞片,卵形,先端微凹,基部心形,绝无睫毛,脱落;小苞片椭圆形;萼 5 深裂近基部,裂片倒披针形;花冠长 4 cm,大部分无毛;种子密被伏毛。

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